

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A reflective liquid crystal display comprising:

a plane light source device having

(a) a light pipe including an incident side, an upper surface, and a lower surface, one of the upper and the lower surfaces having light emitting means for emitting light incident on the incident side from the other one of the upper and the lower surfaces, which constitutes a light emitting side of the plane light source device, and

(b) a light source arranged on the incident side of said light pipe; and

a liquid crystal display panel having a reflective layer, and a polarizer formed on ~~and a~~ visual recognition side of said liquid crystal display panel which faces~~facing~~ said plane light source device;

wherein the light emitting side of said plane light source device and the visual recognition side of said liquid crystal display panel are bonded to each other through an adhesive layer, such that no air layer is interposed between said plane light source device and said liquid crystal display panel, and wherein said adhesive layer has a refractive index that is lower than a refractive index of said light pipe.

2. (previously presented): A reflective liquid crystal display according to claim 1, wherein the refractive index of said light pipe is 1.49 or more and the refractive index of said adhesive layer is 1.48 or less.

3. (previously presented): A reflective liquid crystal display according to claim 1, wherein said adhesive layer has a full light transmittance of 90 % or more.

4. (previously presented): A reflective liquid crystal display according to claim 1, wherein said adhesive layer has a haze value of 10 % or less.

5. (previously presented): A reflective liquid crystal according to claim 1, wherein said light emitting means is provided on the upper surface of the light pipe, and in a plane that is perpendicular to both reference planes of the lower surface and the incident side, an emitting light from the lower surface has a maximum strength in a direction within 30° from a normal line to the reference plane of the lower surface.

6. (previously presented): A reflective liquid crystal display according to claim 1, wherein said light emitting means is provided on the upper surface of the light pipe, and said light emitting means is composed of a plurality of asperities triangular in section each of which has an optical path converting plane with a tilt angle of 35 – 48° from a reference plane of the lower surface.

7. (previously presented): A reflective liquid crystal display according to claim 1,

wherein said light emitting means is provided on the upper surface of the light pipe, and said light emitting means is a repetitive structure of prism-like asperities arranged at pitches of $50\text{ }\mu\text{m} - 1.5\text{ mm}$, each asperity composed of an optical path converting plane and a long side plane,

wherein said optical path converting plane has a slope that tilts down at angle of $35 - 48^\circ$ from a reference plane of the lower surface from the incident side toward an opposite end of the light pipe and has a projected width on the reference plane of $40\text{ }\mu\text{m}$ or less, and

wherein said long side plane has a slope that tilts at an angle of $0 - 10^\circ$ from the reference plane, and has a projected width on the reference plane which is five or more times as long as the projected width of the optical path converting plane, a difference in angle over all long sides being within a range of 5° and a difference in angle to a nearest long side being within 1° .

8. (previously presented): A reflective liquid crystal display according to claim 6, wherein said asperities have ridges that extend in a direction that is within a range of $\pm 30^\circ$ from a reference plane of the incident side.